

# Utility Interconnection Equipment Certification

The information on this form is provided to indicate the compliance of the generation equipment listed below with the utility interconnection certification requirements defined in California PUC Electric Rule 21

**Certifying Laboratory** *The information on this form is provided by the following Nationally Recognized Test Laboratory*

Laboratory: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Accredited by: \_\_\_\_\_ Date: \_\_\_\_\_

Accredited to (test standards)<sup>1</sup>: \_\_\_\_\_

**Equipment Specification** *The information on this form applies to the following equipment*

Equipment Manufacturer: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Model Number(s): \_\_\_\_\_

Software Version(s): \_\_\_\_\_

Effective<sup>2</sup>:

Device Description<sup>3</sup>:[illegible]

## Test Results<sup>4</sup>

Mark the box next to each requirement that has been met and each test that has been performed and successfully passed. Provide an explanation of any exceptions or omissions on a separate sheet. List additional test documents used on a separate sheet

UL 1741: (Section number listed)

☐-39      ☐-40.1      ☐-41.2      ☐-44      ☐-45.2.2      ☐-45.4      ☐-45.5  
☐-46.2      ☐-46.2.3      ☐-46.4      ☐-47.3      ☐-47.7      *Optional:*      ☐-46.3

☐-IEEE/ANSI C62.45/C62.41 (location Category B3)

*California Rule 21:*   ☐-J.3.e Non-export      ☐-J.3.f In-Rush Current      ☐-J.3.h Synchronization

Device Rating:<sup>5</sup> \_\_\_\_\_

Maximum available fault current, A \_\_\_\_\_

In-rush current<sup>6</sup>, A \_\_\_\_\_

Trip settings (Magnitude/Timing)<sup>7</sup>:

		Setting 1	Setting 2	Setting 3	Setting 4	Setting 5	Factory Setting <sup>8</sup>
Fast Over Voltage	Setting	/	/	/	/	/	
	Measured	/	/	/	/	/	
Over Voltage	Setting	/	/	/	/	/	
	Measured	/	/	/	/	/	
Under Voltage	Setting	/	/	/	/	/	
	Measured	/	/	/	/	/	
Fast Under Voltage	Setting	/	/	/	/	/	
	Measured	/	/	/	/	/	
Over Frequency	Setting	/	/	/	/	/	
	Measured	/	/	/	/	/	
Under Frequency	Setting	/	/	/	/	/	
	Measured	/	/	/	/	/	

Nominal Power Factor (Range, if adjustable) \_\_\_\_\_

Non Islanding:    Yes \_\_\_\_    No \_\_\_\_    Maximum trip time: \_\_\_\_\_

Non Export:        Yes \_\_\_\_    No \_\_\_\_    Method: \_\_\_\_\_

Other<sup>9</sup>: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Notes:

- <sup>1</sup> Accreditation must apply to test standards listed herein.
- <sup>2</sup> Note here the date of certification, applicable serial number (range or first in series), or other information that indicates to which units the certification applies.
- <sup>3</sup> List appropriate functions, capabilities, applications, limitations, etc. Use additional sheets as necessary.
- <sup>4</sup> List all test documents (i.e. UL 1741, IEEE C62.45) and specific procedures (i.e. UL 1741 Sec 39.1 – 39.5, etc.) used to evaluate device's suitability for utility interconnection
- <sup>5</sup> kW, kVA, V, A, etc., as appropriate.
- <sup>6</sup> For devices that use grid power to motor to speed.
- <sup>7</sup> Enter trip magnitude, Voltage in volts or frequency in Hz, and trip timing, in cycles into each square (Magnitude/Timing). Devices with adjustable settings shall provide test results over the range of settings. For each test setting provide the setting values in the upper box and measured results in the lower box. List device ranges, if adjustable. Show data for one phase (greatest % difference between setting and measured magnitudes as well as the maximum trip time for that setting). Provide data for all phases (on additional sheets) if measured trip values for any two phases differ by more than 3% (for the same setting).
- <sup>8</sup> Note standard factory settings. Provide Voltage/Timing or Frequency/Timing.
- <sup>9</sup> Provide any additional information that may be useful in evaluating these results such as test configurations, device settings used to meet requirements, etc. Use additional sheets if necessary.